

APR 17 2007

PATENT

Attorney Docket No. VARD-07989

## REMARKS

The Examiner alleges that the pending claims of the instant application are directed to various patentably distinct species. The species of the polymorphism genus include: -241 A to G, -194 G to C, -191 G to A, -180 G to C, -178 G deletion, -143 G to A, -92 G to A, and -86 C to T. The species of the detection technique genus include: PCR, heteroduplex analysis, single stand conformational polymorphism analysis, denaturing high performance liquid chromatography, ligase chain reaction, comparative genome hybridisation, Southern blotting and sequencing. Applicants hereby elect -86 C to T as the polymorphism, and sequencing as the detection technique.

During preparation of the instant response, an error in the numbering of the claims was detected (e.g., two Claim 31s). Applicants have corrected this error herein. Thus Claims 1, 2, 5-8 and 26-38 are pending. Should the Examiner believe that a telephone interview would aid in the prosecution of this application, Applicants encourage the Examiner to call the undersigned collect.

Dated: April 17, 2007By: Christine A. Lekutis  
Registration No. 51,934MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
415.904.6500